

ASHRAE Technical Committee 2.5 – Global Climate Change Agenda

Orlando, Florida

Hilton Orlando, LL, Orange B

Tuesday, February 4, 2020 – 1:30 PM – 3:30 PM

Meeting Minutes

1. Call to Order (Enrica Galasso)

- a. Introduction of members and guests
- b. ASHRAE Code of Ethics Commitment
In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: [https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics.](https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics))
- c. Establish quorum
Voting members present:

Enrica Galasso Beth Tomlinson Kristofer Fransen

Scott Sherwood Gerardo Alfonso

Elizabeth Jedrlnic Donald Brundage

- d. Revise agenda; accept agenda
Motion: Accept Agenda
Moved by: Scott Sherwood
Seconded by: Beth Tomlinson
Vote count: For: 7 Against: 0 Abstained: 0
- e. Approvals (if quorum is met):
 - i. Meeting Minutes –June 2019 Annual Meeting, Kansas City, MO
Motion: Accept Previous Meeting Minutes
Moved by: Gerardo Alfonso
Seconded by: Scott Sherwood
Vote count: For: 7 Against: 0 Abstained: 0

2. Chairman’s Announcements (Enrica Galasso)

- a. Report of TC/TG Chair’s Meeting
- b. Review of previous action items

3. Roster Updates (Enrica Galasso)

Roster updates being completed tonight, will go into effect July 1st
Matt Clark, Renee Clair, Janice Means (non-quorum), Joseph Rendall, and Jim Newman will be added
Enrica Galasso and Allen Karpman are rolling off
Anyone interested in becoming voting can talk to Enrica – Need to limit to ensure we always have quorum

New positions starting in July:

Matt Clark- Chair
Scott Sherwood – VC
Renee Clair – Secretary
Beth Tomlinson – Handbook
Elizabeth Jedrlnic - Research
Daniel Villa – Programs Chair
Enrica Galasso – Standards/ Certifications

Motion: Approve Roster updates
Moved by: Enrica Galasso
Seconded by: Beth Tomlinson
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4. Subcommittee Reports

a. Programs (Scott Sherwood)

- i. Austin, TX June 2020 Tracks: (1) Fundamentals and Applications, (2) HVAC&R Systems and Equipment (3) Research Summit (4) Professional Development, (5) Grid-Interactive Efficient Built Environment, (6) Multifamily and Residential Buildings, (7) Resilient Buildings and Communities, (8) Zero Energy Buildings and Communities: Opportunities and Challenges, (9) Building Myths

Looking for ideas, currently do not have anything for Austin. If no one has any ideas, we may miss programs for Austin. Possibly should plan for Chicago Programs

Ideas:

TC4.4 – could collaborate on Programs for resiliency

TC9.7 - could collaborate on Programs for resiliency

Smarts cities council drafting programs – Monday deadline – could collaborate

Beth mentioned we could find Austin’s Chief resiliency officer or sustainability to come speak for a program

Katherine looking for a TC to run program through – Scott should reach out to other TCs(2.10)

b. Handbook (Beth Tomlinson)

- i. Climate Change Chapter for 2021 Handbook

Held handbook meeting yesterday

Efforts started about 1 year ago, have held biweekly meeting for the last 6 months

Developed a lot of content- can continue to develop content after published

Deadline for authors – end of April, month of revisions and editing, then submit to TC

Chapter 40 will be the chapter – Resiliency and Adaptation

c. Research (Elizabeth Jedrlnic)

- i. Co-sponsor with TC 2.8 on RTAR #1863: A software-based toolkit for the evaluation of the life cycle energy and greenhouse gas emissions for buildings, building components and equipment
TC2.8 sent over request to co-sponsor RTAR – software based tool kit for energy and greenhouse gas to building and equipment

Enrica sent out their summary in an email for people to review.

Would like to vote to co-sponsor

Motion: Approve with further information and Liz become a liaison for project

Moved by: Beth Tomlinson

Seconded by: Liz Jedrlnic

Vote count: For: 7 Against: 0 Abstained: 0

Enrica chatted with 2.8, about having joint research and program subcommittees. Would help with reorg. Chair of 2.8 wanted to look into and check with his committee.

Enrica proposes to try it out for one conference to test it out – stop if it doesn’t work.

4.2 is doing research that may end up in our handbook, may want to get involved with this project.

d. Standards (Matt Clark)

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- e. MTG.LowGWP (Larry Burns, John Karakash)
Purpose of MTG – facilitator of transition to flammability
Three projects are complete: **1794**- White Paper Investigation Relating to the Use of Odorants in Flammable Refrigerants, **1807** – Guidelines for Flammable Refrigerant Handling, Transporting, Storing and Equipment Servicing, Installation and Dismantling, **1808** - Leakage Rate Measurement and Durability Testing of Field-made Mechanical Joints for Systems with Flammable Refrigerants

For RP1807 & 1808 – results being communicated to 15 & 15.2 to review to determine if there should be change to standards

Active Projects

1855 – Determination of the Impact of Combustion Byproducts on the Safe Use of Flammable Fluorinated Refrigerants

RTAR 1884 – follow up to odorants assessments

RP1806 – post ignition simulation, what happens if there was a leak and ignition

Task 1 - complete

Task 2 & 3 - moving forward – July 2020

Discussion on AHRI safe transitions task force during Sunday meeting– significant discussion b/t two groups on how they collaborate

There will be discussion tomorrow on how MTG communicates risk and awareness. Have appropriate standards and communicate across industry

- f. Website (Gerardo Alfonso)
Website is updated with latest information
Janice received EK Campbell award
Beth mentioned there are questions on how to communicate content on websites. Can we put figures and color figures on website for users to reference. Gerardo will look into
Beth wanted to put 4.2 content for climate zone change data
Can we put handbook data on website? - May not be ok to put on our website, since handbooks are not free

5. New Certification Program (Enrica Galasso)

- a. Evaluate potential for new certifications aligned with Strategic Plan initiatives: #1 (promote best practices that enable adaptability, resilience and recovery of buildings and communities) & #2 (promote understanding of indoor environmental quality (IEQ) among practitioners). Proposals due 3/15/2020.

Request from certification committee to develop a new certification

Enrica went to meeting – Proposals due on 3/15, not that hard of a deadline. Can submit if we communicate that we need more time

Part of proposal asks what other certs are in the market to gage whether there is a need for it and will ASHRAE make a smart investment

Certification committee wants TC to submit ideas/proposals to get the ball rolling. They will do a search with a marketing group to see what's out in the industry

Proposals during meeting:

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Climate change literacy – gives confidence to building owners that you understand climate change and incorporate into projects. Another entity has developed similar certification. Beth suggests we provide info to other cert and make it better instead of duplicating.

Janice – Resiliency cert instead. Beth mentioned maybe having a risk assessment cert

Katherine - Navy just contracted ASHRAE to train on HVAC. Navy has tool for Risk assessment. Maybe we could have ASHRAE give training on their tool and develop a cert?

It was mentioned ASHRAE does not want to be involved in joint venture certifications. ASHRAE would like to modify or create their own

There will be a joint meeting in Austin for Standards, guidelines, and certifications – can report out from that meeting for path forward on certifications

6. TC Reorganization Update (Enrica Galasso)

ASHRAE will not do any forced mergers – would like us to limit meetings to save rooms and money. We could combine subcommittees.

Suggestion of block scheduling – need to see what their first proposal is and provide recommendations back

7. Liaison Reports

- a. Handbook – Javier Korenko
Different representative came to subcommittee meeting to provide info
- b. Standards – Niels Bidstrup
- c. Research – TBD
- d. Staff – Steven Hammerling
No report
- e. TC 2.7 – Matt Clark
No Report
- f. TC 2.8 – Renee Clair
Updating green guide for submission
Water energy nexus guide
- g. TC 2.10 – Scott Sherwood
Start-up TC, still getting feet wet. They are currently looking for a programs chair. Scott has talked about developing content with them. They are interested in doing a certification but think it's too early to provide enough content. They aren't planning to submit application, they may have if we did and they could join. Need to update them on Joint meeting for summer.
Seminar tomorrow – Into to USGBC - Seminar 65
- h. TC 7.1 – Eric Haley
Rolled off committee, Eric to be taken off as Liason
- i. TC 9.9 – Gerardo Alfonso
Working on thermal guidelines to update recommended area for servers. Committee is trying to increase temperature and interact with humidity. Have research project that will be incorporated into the new handbook. There is a published book with metrics to know how to manage data centers. 90.4 is the related standard. Current addendums with be put out for PPR
STD 127 – method of rating of AC units for data centers. In 3rd PPR, next meeting may be able to put out for publication.
- j. SSPC 90.1 – Don Brundage
90.1 was just published, 5% improvement over the previous version. Several things being developed for next standard, aiming for 8% improvement for 2020 edition.
Mandatory of renewables for 10000sqft buildings or larger.

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Renewable requirements – 1 to 2 percent energy savings

k. 6.7 – Janice

Meets same time as 2.5. Very supportive of renewable energy sources and expanding what's currently in the chapter. Incoming chair is current handbook chair and will push content

l. 5.10 – Scott

Interested in joining for together for programs.

m. Previously suggested: TC 5.10, SSPC 189.1, SSPC 100

8. Round Table Discussion on Climate Change Related Treaties, Accords, and Activities

9. Other Business

10. Adjourn